HIE Steering Committee

September 18, 2019



Agenda

Topic	Schedule
Welcome	10:30 – 10:35
Connectivity Criteria Recap	10:35-11:00
HIE Data Governance	11:00-11:20
Non-Technical Roadmap HIE Plan Updates	11:20-11:30
BREAK	11:30-11:40
Technical Roadmap Draft Review – Responsible Parties	11:40-12:30

VHIE Connectivity Criteria

September 18, 2019

Mike Smith, VITL President & Chief Executive Officer Carolyn Stone, VITL Director of Operations

VHIE Connectivity Criteria Approval

- Establishes the conditions for health care organizations to connect to the Vermont Health Information Exchange (VHIE) that will apply for 2020
- The Connectivity sub-committee was created in 2019 and has made recommendations for updates to the Criteria
- Approved updates will be incorporated into the State HIE Plan in late September by DVHA
- The State HIE Plan will be reviewed and approved by the GMCB in November

VHIE Connectivity Criteria Update Process

- The Connectivity sub-committee consists of members from VITL, Blueprint, DVHA, OneCare Vermont, Vermont Care Partners, a consumer advocate, the hospital association, Bi-State and the Vermont Chronic Care Initiative
- The sub-committee was created and met multiple times in 2019 to identify areas that needed updates based on program needs and the use of the criteria during 2019
- The group tried to align the Criteria with the program needs and the Office of the National Coordinator (ONC) United States Core Data Interoperability (USCDI) data set
- The Criteria are mainly focused on Primary Care measures now
- Discussion was held about the need for differing criteria for specialty programs like women's health or behavioral health. These will be investigated by the group in 2020

Connectivity Criteria Drive Advancement

Criteria measure progress of each organization and the maturity of the overall network

Tier 2

Common data set and data quality standards met

Tier 3

Expanded data set and data quality standards met

Tier 1

Baseline connectivity standards met

Evolution of the Criteria

Existing Criteria	Revised Criteria
Created in 2018 for application in 2019	Connectivity sub-committee engaged in 2019 to update Criteria based on experience and utilization in 2019
Tier 2 defined with optional elements	Data Prevalence was evaluated for 2019 Tier 2 criteria to help in decision making for 2020. Tier 2 was updated to reflect additional key common data elements for health reform program requirements and to move some to Tier 3
Tier 3 not defined yet	Tier 3 defined to support the health reform program requirements and the U.S. Core Data for Interoperability (USCDI) elements
Customer and stakeholder education to help them understand how the criteria are applied, the benefits and the outcomes in achieving the criteria.	Updated documentation based on feedback from Customers and Stakeholders who have been through the process.

Proposed Updates to the Criteria

Existing Tier 2 Criteria	Revised Tier 2 Criteria
5 Immunizations	10 new Immunizations added to align with stakeholder program needs (HiB, Hep A, Hep B, DTap, TDap, Rotavirus, MCV4, Men B, IPV, and HPV)
Servicing Provider NPI	Added Assigned Provider NPI and sending facility
9 diagnostic results	3 new diagnostic results added to align with stakeholder program needs (fasting blood glucose, Lyme disease test, and cervical cancer screening HPV test)
9 problems	5 new problems added to align with stakeholder program needs (COPD, stroke, anxiety, depression, tobacco use including nicotine)
5 procedures	2 new procedures added to align with stakeholder program needs (cervical cancer pap and Ultrasound or CT for cancer)
3 screenings	2 new screenings added to align with stakeholder program needs (substance use disorder and breast cancer)
No Hospital encounters	3 new inpatient encounters were added for Hospital Admissions, Discharges and Transfers
10 vital signs	2 vital signs for Body Temperature and Inhaled Oxygen Concentration were moved to Tier 3

Questions?



HIE Data Governance

- The HIE Steering Committee's role is to define the vision for HIE in Vermont, guide strategy toward achievement of that vision, and identify, and when possible, remove barriers to meeting state-wide HIE goals
- HIE Steering Committee Data Governance efforts consist of a tiered structure aligning strategic, tactical and operational goals, outlined in the HIE Plan
 - **Strategic** engaging in the development and support of policies that embolden health data exchange across the health care system. Example: the state's Consent to Share Health Information Policy.
 - **Tactical** identifying and defining data exchange standards that support exchange of health data to enable achievement of the state's vision for clinical decision support and data analytics. Example: the Connectivity Criteria.
 - *Operational* supporting development of organization-specific or inter-Agency processes that relate to the capture and exchange of health data. Example: creation of a shared definition of a "person, patient, consumer" to be used by related systems such as the VHIE and the state's Integrated Eligibility and Enrollment systems.

HIE Data Governance – Review of Key Concepts

- The act of formalizing data governance offers an organization an opportunity to learn and mature processes in a continuous, inclusive format
- Though data governance can be considered a technical function, when done well, it unites operational and technical personnel to best understand and plan for what data is held and how data can be used as an asset
- Data governance offers a platform to use data-driven decision making in support of executive leadership functions.

Data Governance Goals for CY20

- Act as an arbitrator of Data Governance issues among stakeholders
 - Develop a formal process that allows stakeholders to document data quality issues, submit to an "HIE data quality work queue."
 - The HIE Steering Committee will advise on solution and remediation plans for issues.
- Convene a Data Governance Sub-Committee
 - Review the Data Governance policies among HIE Stakeholders
 - Through working sessions of the sub-committee, develop a recommendation for a statewide HIE Data Governance policy, and bring this recommendation to the HIE Steering Committee

Data Governance Policy: 2020 Priority – Sensitive Data Policy

- Once convened, we anticipate that a main priority for the Data Governance subcommittee will be the development of a policy for handling sensitive data. The following tactics will enable the sub-committee to develop this policy recommendation:
 - convene experts to focus on requirements for management of specific use cases
 - design and implement a "Sharing Sensitive Data" policy that defines requirements for sensitive data to be securely transmitted to the VHIE and appropriately shared
 - The group will review national data standards for identifying sensitive data and recommend appropriate application of these standards to be implemented across the VHIE
 - The development of a sensitive data policy aligns with the Phase 2 needs of the HIE Shared Services project and will inform further Shared Services efforts

Non-Technical Roadmap HIE Plan Discussion

- Given what we've worked on and accomplished in the past year, and informed by our conversations and the technical roadmap draft,
- And having to produce an updated HIE Strategic Plan in the next few weeks, what can we say now about content for:
 - The Executive Summary
 - Tactical Plan Updates
 - Integration of Consent Recommendations

Executive Summary

- Reminder of the mandate to update the Plan
- Highlight major accomplishments from 2019
- Summarize what is in the plan for the coming year
- Discussion: Accomplishments to highlight? Topic areas may include:
 - Consent
 - Data governance
 - Connectivity
 - More
- Discussion goal: statements of accomplishments reflecting steering committee consensus

Tactical Plan Updates

- Tactical plan updates for 2018-2019 have been reviewed and updated and will be reflected in the HIE Strategic plan update with progress noted.
- 2019-2020 tactical plan will be as developed in the Technical Roadmap
 - Tactics identified as near term (12-18 months); mid-term 18-26 months; or Long term 3-5 years
 - The roadmap identifies 64 tactics associated with several use cases supporting 6 objectives
- Process discussion
 - Revisit this topic following the Roadmap tactics discussion (today or next meeting)
 - Consider capacity to complete tactical activities
 - Do subcommittees / ad hoc committees add capacity?

Integration of Consent Recommendations

- What Act 53 says about the HIT Plan with respect to consent:
 - The Plan shall provide for each patient's electronic health information that is contained in the Vermont Health Information Exchange to be accessible to health care facilities, health care professionals, and public and private payers to the extent permitted under federal law unless the patient has affirmatively elected not to have the patient's electronic health information shared in that manner.
- DVHA proposes that this means the HIE Strategic Plan update should document the significant workstream components of the consent implementation plan, to demonstrate that Act 53 is satisfied with respect to the Plan (note that the HIE Strategic Plan is synonymous with the HIT Plan referenced in legislation).
- Discussion: Seeking consensus from the Steering Committee that this is the appropriate way to reflect consent integration in the HIE Strategic Plan update.





State of Vermont, HIE Steering Committee HIE Technical Roadmap Project

Roadmap Draft

Lantana Consulting Group Velatura September 18, 2019 HIE SC Meeting, Waterbury

Introductions

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Executive Summary

Agenda

- 1. Finalizing HIE Technical Roadmap
- 2. Stakeholder Engagement Participants
- 3. Tactics / Accountable Parties / Timeframes

Finalizing HIE Technical Roadmap

- 1. Complete feedback rounds with appropriate individuals and organizations
- 2. Conclude HIE Technical Roadmap document updates
- 3. Provide final presentations for HIE Technical Roadmap
- 4. Transition HIE Technical Roadmap ownership
- 5. Initiate immediate Near Term tactics as agreed upon by HIE Steering Committee

Stakeholder Engagement Participants

Andrew Laing Agency of Digital Services
Dr. Anje Van Berckelaer Battenkill Valley Health Center
Dr. Joshua Plavin Blue Cross Blue Shield - VT
Vicki Hildebrand Blue Cross Blue Shield - VT
Jimmy Mauro Blue Cross Blue Shield - VT
Kelly Lange Blue Cross Blue Shield - VT

Georgia Maheras Bi-State Heather Skeels Bi-State

Jennifer Ertel-Hickory Bi-State/The Health Center

Kathleen Blindow Bi-State/Island Pond Health & Dental Center Ester Seibold Bi-State/Island Pond Health & Dental Center

Beth Tanzman Blueprint Tim Tremblay Blueprint

Mary Beth Eldridge Dartmouth Hitchcock Medical Center

Sarah Lindberg Green Mountain Care Board

Kelly Gordon Medicaid Joseph Liscinsky Medicaid Michael Hall Medicaid

Dr. Ryan Sexton Northeastern Vermont Region Hospital

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Amy Hoffman

Katie Muir

Pennilee Shortsleeve

OneCare Vermont
OneCare Vermont
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Donna Burkett Planned Parenthood of New England Wendy Campbell Planned Parenthood of New England

Emma Harrigan Vermont Association of Hospitals and Health Systems

Simone Rueschemeyer Vermont Care Partners
Ken Gingras Vermont Care Partners
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Mike Smith Vermont Information Technology Leaders
Frank Harris Vermont Information Technology Leaders
Carolyn Stone Vermont Information Technology Leaders
Andrea De La Bruere Vermont Information Technology Leaders
Christopher Shenk Vermont Information Technology Leaders

VNAs of Vermont

Bobby-Joe Salls Vermont Education Health Initiative
Leah Fullem The University of Vermont Health Network
John McConnell The University of Vermont Health Network
Lindsay Morse The University of Vermont Health Network

Who are the individuals / organizations that are critical to successful adoption of HIE Technical Roadmap?

Jill Olsen

Component/Tactic (stage)	Accountable Party/Parties	Launch Timeframe
End	User Services	
Reporting Services (R)		
Investigate integration of outpatient cancer reporting	 Vermont Department of Health (VDH) VITL	Near Term
Automate reportable labs	 Vermont Department of Health (VDH) VITL	Mid Term
Define Quality program universe through census	HIE Steering Committee	Near Term
Assess data availability against Quality program requirements	Quality Leaders Task Force	Near Term
Identify opportunities for simplification/harmonization	HIE Steering CommitteeQuality Leaders Task Force	Near Term

Reporting Services (P)		
Increase ambulatory cancer reporting	 Vermont Department of Health (VDH) VITL	Mid Term
Support birth and fetal death standard reporting	 Vermont Department of Health (VDH) VITL	Mid Term
Improve standard immunization reporting	 Vermont Department of Health (VDH) VITL	Near Term
Design Query/Retrieve for Immunizations	 Vermont Department of Health (VDH) VITL	Near Term
Standard quality reporting formats	 Vermont Department of Health (VDH) VITL Quality Leaders Task Force	Mid Term
Reporting Services (E)		
Implement query/retrieve for immunizations	 Vermont Department of Health (VDH) VITL	Mid Term
Pilot standard quality reporting formats	 Vermont Department of Health (VDH) VITL Quality Leaders Task Force	Long Term

Notification Services (P)		
Identify use cases and understand workflow for notifications	HIE Steering CommitteeAll providers	Near Term
Notification Services (E)		
Increase sources of notifications	VITLVHIE Participants (subsets)	Near Term
Expand sources to new VHIE participants	• VITL • VHIE Participants (subsets)	Near Term
Increase recipients of notifications	• VITL • VHIE Participants (subsets)	Near Term
Adhere to standards for consistency	All VHIE participants	Near Term

EHR Integration (R)		
Investigate eClinicalWorks exchange solutions	• VITL	Near Term
EHR Integration (P)		
Evaluate workflow and data access preferences	• HIE Steering Committee (sub-committee)	Near Term
Maintain/expand use of pharmacy claims	 Green Mountain Care Board All Payers	Mid Term
EHR Integration (E)		
Implement VITLAccess SSO using standards	VITLVHIE Participants	Near Term

Consumer Tools (R)		
Review current research on consumer access	HIE Steering Committee	Near Term
Define principles of data access for consumer tools	HIE Steering Committee	Mid Term
Track progress of open APIs (FHIR)	• VITL	Near Term
Evaluate third-party applications	• VITL	Mid Term
Care Coordination Tools (R)		
Define care coordination tool requirements	Care Coordination Task	Near Term
Assess care coordination tools against requirements	Care Coordination Task	Near Term
Expand care coordination tool adoption	Care Coordination Task	Near Term

Patient Attribution (R)		
Validate care team attribution service capabilities	HIE Steering CommitteeVITL	Near Term
Develop a care team attribution use case	HIE Steering CommitteeVITL	Near Term

Exchange Services		
Data Extraction & Aggregation (R)		
Document requirements for statewide repository	HIE Steering CommitteeVHIE participants	Near Term
Identify what SDOH will be beneficial	HIE Steering CommitteeData AnalystsCare Coordinators	Near Term

Data Extraction & Aggregation (P)		
Review state data on SDOH	HIE Steering CommitteeAgency of Digital ServicesAgency of Human Services	Near Term
Review VHIE SDOH data	• HIE Steering Committee • VITL	Near Term
Align VHIE SDOH with national standards	• HIE Steering Committee • VITL	Near Term
Map and align state agency data to data standards	HIE Steering CommitteeAgency of Digital ServicesAgency of Human Services	Mid Term
Monitor standards for capture of SDOH at point of care	• VITL	Near Term
Pilot integration of AHS data into EHRs	VITLVHIE participantsAgency of Human ServicesAgency of Digital Services	Mid Term
Explore document management services	HIE Steering CommitteeVITLVHIE Stakeholders	Near Term
Develop Request For Proposal (RFP) for statewide clinical repository	 HIE Steering Committee Department of Vermont Health Access Agency of Digital Services VITL 	Near Term

Data Extraction & Aggregation (E)		
1	 HIE Steering Committee Department of Vermont Health Access Agency of Digital Services VITL 	Mid Term

Terminology Services (E)		
Flag and categorize sensitive data per TEFCA	• VITL	Near Term
Normalize coded data to standards	• VITL	Near Term

Interoperability (R)		
Evaluate federal regulations/rules	 HIE Steering Committee Department of Vermont Health Access Agency of Digital Services VITL 	Near Term
Evaluate federated exchange solutions	 HIE Steering Committee VITL Department of Vermont Health Access Agency of Digital Services 	Near Term
Explore expanding FHIR & query-based capabilities	HIE Steering Committee VITL	Near Term
Interoperability (P)		
Identify and initiate FHIR and query-based use case pilot	 Use Case Sub-committee VITL VHIE stakeholders	Mid Term

Interoperability (E)		
Support standards for existing use cases	VHIE stakeholdersVITL	Near Term
Ensure data alignment with USCDI	VITLHIE Steering Committee	Near Term
Provide education regarding all available services, including VHIE Direct Secure Messaging (DSM) service	• VITL	Near Term

Data Quality (R)		
Develop data quality work queue and process	HIE Steering CommitteeVITL	Near Term
Define rejection threshold	HIE Steering CommitteeVITL	Near Term
Consider constraining Connectivity Criteria	HIE Steering CommitteeVITL	Near Term
Data Quality (P)		
Consider tools and methods for local validation	• VITL	Near Term
Expand Connectivity Criteria template	HIE Steering CommitteeVITL	Mid Term

Data Governance (E)		
Define sensitive data	Data Governance Authority	Near Term
Map sensitive data to standards	Data Governance Authority	Near Term

Foundational Services		
Identity Management (R)		
Investigate how to support identity management associated with sensitive data exchange	HIE Steering CommitteeGreen Mountain Care BoardVITL	Near Term
Identity Management (P)		
VHIE to provide mechanisms for stakeholders to use UMPI matching	HIE Steering CommitteeVITL	Near Term
Define UMPI value derivation processes	• VITL	Mid Term
Identity Management (E)		
Reconcile individuals associated with clinical VHIE information using UMPI in HCI	• VITL	Near Term
Provide UMPI-matched identities to initial stakeholders	HIE Steering Committee VITL	Near Term
Test reconciliation process	• VITL	Near Term

Consent Policy & Management (R)		
Investigate standards-based consent management independent of HCI	• VITL	Mid Term
Evaluate and pilot granular consent management	HIE Steering CommitteeVITLVHIE stakeholders	Long Term
Consent Policy & Management (E)		
Implement approved consent policy	HIE Steering CommitteeVITLVHIE stakeholders	Near Term

Provider Directory (P)		
Evaluate existing provider directory capabilities	HIE Steering CommitteeDepartment of Vermont Health Access	Near Term
Request IAPD funds for integrating with provider directory	• Department of Vermont Health Access	Near Term
Develop VHIE Provider Directory Integration Project Plan	Department of Vermont Health AccessVITL	Near Term
Seek annual MMIS IAPD funding	• Department of Vermont Health Access	Mid Term

Provider Directory (E)		
Pilot Provider Directory Interoperability	Department of Vermont Health AccessVITL	Near Term
Fully Deploy Expanded Provider Directory Functionality	Department of Vermont Health AccessVITLVHIE Stakeholders	Mid Term

Questions